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Federal Department of Economic Affairs,
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State Secretariat for Economic Affairs SECO
Swiss Accreditation Service SAS

Swiss Confederation

Based on the Accreditation and Designation Ordinance dated 17 June 1996 and on the advice of the Federal Accreditation Commission, the Swiss Accreditation Service (SAS) grants to

**Empa – Materials Science and
Technology
Abteilung 303 Ingenieur-Strukturen
Ueberlandstrasse 129
8600 Dübendorf**



**Period of accreditation:
01.06.2020 until 31.05.2025**
(1st accreditation: 03.06.1996)

the accreditation as

Testing laboratory for fatigue and static tests

International standard: ISO/IEC 17025:2017

Swiss standard: SN EN ISO/IEC 17025:2018

3003 Berne, 15.06.2020
Swiss Accreditation Service SAS

Head of SAS
Konrad Flück

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STS Directory

Accreditation number: STS 0153

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

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Initial accreditation: 03.06.1996
Current accreditation: 01.06.2020 bis 31.05.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 01.06.2020

Testing laboratory for fatigue and static tests

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Various tests with multiple applications: construction materials, buildings, structural elements, reinforced concrete, steel, timber, masonry, composite materials, plastics, etc.	Application of loads using oil hydraulic test equipment and measuring of loads	In-house procedure (SOP 332)
	Application of loads using trucks and measuring of loads	In-house procedure (SOP 346)
	Measurement of displacement and elongation	In-house procedure (SOP 202)
	Measurement of strains	In-house procedure (SOP 201 and SOP 220)
	Deformation measurements applying the Image Correlation Method	In-house procedure (SOP 5068)



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Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Pre-stressing cables and their anchorages in reinforced concrete	Fatigue testing of cables	Test specifications due to customer requests, based on different guidelines (e.g. PTI-Recommendations, EAD 160004-00-0301 (2016), ETAG 013 (2002), fib Bulletin No. 89, etc.) In-house procedure (SOP 219)
	Load transfer tests on post-tensioning systems	Test specifications due to customer requests, based on different guidelines (e.g. EAD 160004-00-0301 (2016), ETAG 013 (2002), etc.) In-house procedure (SOP 5242)
Reinforced concrete structures and structural elements	Determination of adhesion properties of reinforcing steel bars in concrete	SIA 162/1, Test method Nr. 35, outdated standard In-house procedure (SOP 229)

Abkürzung	Bedeutung
EAG	European Assessment Document
ETAG	European Technology Assessment Group
PTI	Post-Tensioning Institute USA
SIA	Swiss Society of engineers and architects
SOP	Standard Operation Procedure
STS	Swiss Testing Service

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